SECTION V-A - AM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. SSB Referral Date Referred By
Name of Applicant	,
1. Purpose of Application: (check all appropriate boxes)	
Construct new station	
Make changes in authorized/existing station	Call Sign ———
Principal authorized/licensed community	Hours of operation
Frequency	Transmitter location
Power	Filed in compliance with an Allotment Plan to migrate to the expanded band
Main studio location	Allotment Number
Antenna system (including increase in height	by addition of FM or TV antenna)
New antenna construction	
Alteration of existing structure	
Increase height	Decrease height
Non-DA to DA	DA to Non-DA
Other (Summarize briefly the nature of the changes p	proposed)
2. Principal community to be served: State County	City or Town
3. Facilities requested:  Frequency: kHz	Hours of Operation:
Power: Night: kW Day:kW	Critical Hours:
Class of Station (A, B, C or D)	Stereo Monaural
4. Transmitter location: State County	City or Town
Exact antenna location (street address). If outside city limit direction of antenna from town.	ts, give name of nearest town and distance (in kilometers), and
	al antenna give coordinates of center of array. For single vertical ast Longitude where applicable; otherwise, North Latitude or res coordinates based on NAD 27.)
Latitude O ' "	Longitude 0 "

### Section V-A - AM BROADCAST ENGINEERING DATA (Page 2) Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission, 5. or specified in another application pending before the Commission? If Yes, indicate call sign or application file number: Antenna system (including ground or counterpoise system) 6. Dav Night Critical Hours Non-Directional \_\_\_\_\_ mV/m per kW at one kilometer Estimated efficiency If antenna is either top loaded or sectionalized, describe fully in an Exhibit. (Include apparent Exhibit No. electrical height.) Night only (DA-N) Directional Day only (DA-D) Same constants and power day and night (DA-1) Different constants and/or power day and night (DA-2) Different constants and/or power day, critical hours and night (DA-3) Submit complete engineering data in accordance with 47 C.F.R. Section 73.150 for each Directional antenna pattern proposed. Non-Directional/Directional If antenna(s) is/are either top loaded or sectionalized, describe fully in an Exhibit. (Include apparent Exhibit No. electrical height.) Series Feed Shunt Feed Type of feed circuits (excitation) Folded Unipole Other (explain) TOWERS (in meters, rounded to 2 1 3 4 5 6 nearest tenth of a meter) Overall height of radiator above base insulator,or above base, if grounded Overall height above ground (without obstruction lighting) Overall height above ground (include obstruction lighting) Overall height above mean sea level (include obstruction lighting) If additional towers, attach information exactly as it appears above. 7. Has the FAA been notified of the proposed construction? Exhibit No. If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available. Date -Office where filed -

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8.	List all landing areas within 8 kilometers of landing area from the antenna site.  Landing Area		f antenna site. Give distances and direction to the Distance (km)	ne nearest boundary of each  Direction
	(a)			
	(b)			
	(c)			
9.	the p	proposed structure, giving heights above ate existing portions, noting lighting, a porting structure and the antenna elements	al plan sketch (including supporting buildings, if a ground, in meters, for all significant features. Cand distinguishing between the skeletal or others. If a directional antenna, give spacing and orien	learly main
		t fully described above, attach as an Exh mas mounted on tower and associated iso	nibit further details and dimensions, including any plation circuits.	other Exhibit No.
	other		er site clearly showing boundary lines, roads, rail counterpoise. Show number and dimensions of gehts and dimensions.	
10.		the main studio be located within the sR. Section 73.24(i)?	station's principal community contour as defined	by 47 Yes No
	If No	, attach as an Exhibit a justification pursu	uant to 47 C.F.R. Section 73.1125.	Exhibit No.
11.	Is the 73.14		to be established in accordance with 47 C.F.R. S	ection Yes No
	If Ye	s, submit the following:		
Stat	e	County	City or Town	
Stre	et Add	lress (or other identification)		
12.	altitu mark the p	des and angles to permit identification of ed so as to show compass directions, exproposed 1000 mV/m contour for both	aerial photographs taken in clear weather at approf all structures in the vicinity. The photographs mact boundary lines of the proposed site, and location day and night operation. Photographs taken in non the ground will be acceptable in lieu of the rly shown.	ust be cons of eight
13.		the population within the 1 V/m (1000 sent of the population within the 25 mV/m $^{\circ}$	mV/m) contour less than 300 persons or less that contour?	nn 1.0 Yes No
	If No	o, attach as an Exhibit a justification pursu	uant to 47 C.F.R. Section 73.24(g).	Exhibit No.
14.	Envi	ronmental Statement. (See 47 C.F.R. Sec	tion 1.1301 et seq.)	
		may have a significant environmental in	ication come within 47 C.F.R. Section 1.1307, such pact, including exposure of workers or the general tified health and safety guidelines issued by the Annual Company of the An	l public
		If you answer Yes, submit as an Exhil Section 1.1311.	bit an Environmental Assessment required by 47	C.F.R. Exhibit No.
		If No, explain briefly why not.		
	(b)	Distance from tower(s) to the pearest no	int of the fence enclosing the tower(s) in meters	— Meters

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15	A 11	ration	C1	1:

A.

llo		n Stu	dies (for assistance, see 47 C.F.R. Section 73.37)		
۷.	•	time For 100 prop THI	Exhibit No.		
	(2)		s the daytime 5 mV/m contour encompass the legal boundaries of the principal munity to be served?	Yes No	)
		If N	o, attach as an Exhibit a justification for waiver of 47 C.F.R. Section 73.24(i).	Exhibit No.	
	(3)	as a 73.1 mea	daytime operation, for stations on a frequency between 535 kHz and 1605 kHz, attach in Exhibit an allocation study utilizing Figure M-3 (Figure R-3, 47 C.F.R. Section 90) or an accurate full scale reproduction thereof and using pertinent field strength surement data where available, a full scale Exhibit of the entire pertinent area to show following:	Exhibit No.	
		(a)	Normally protected and the interfering contours for the proposed operation along all azimuths.		
		(b)	Normally protected and interfering contours of existing stations and other proposed stations in pertinent areas with which prohibited overlap would result as well as those existing stations and other proposals which require study to clearly show absence of prohibited overlap. If prohibited overlap were to occur as a result of the proposal, appropriate justification for waiver of 47 C.F.R. Section 73.37 is to be included.		
		(c)	Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers, and operating or proposed facilities.		
		(d)	Properly labeled longitude and latitude degree lines, shown across entire Exhibit.		
	(4)	For (a)	daytime operation, attach as an Exhibit a tabulation of the following:  Azimuths along which the groundwave contours were calculated for all stations or proposals shown on allocation study exhibits required by (3)(a).	Exhibit No.	
		(b)	Inverse distance field strength used along each azimuth.		
		(c)	Basis for ground conductivity utilized along each azimuth specified in (4)(a). If field strength measurements are used, submit copies of the analyzed measurements. If measurement data are taken from Commission records identify the source of the measurements in the Commission's files.		
		(d)	Calculated distances.		
В.	Criti	For the open	Hours (If applicable, see 47 C.F.R. Section 73.187) critical hour operation, attach as an Exhibit map(s) having appropriate scales, showing 1000, 5 and 0.5 critical hours contours in mV/m for both existing and proposed rations. On the map(s) showing the 5 mV/m contours CLEARLY INDICATE THE GAL BOUNDAIRES OF THE PRINCIPAL COMMUNITY TO BE SERVED.	Exhibit No.	
	(2)		s the critical hours 5 mV/m contour encompass the legal boundaries of the principal munity to be served?	Yes	No
		If N	o, attach as an Exhibit justification for waiver of 47 C.F.R. Section 73.24(i).	Exhibit No.	
	(3)	(Figusin	critical hour operation, attach as an Exhibit an allocation study utilizing Figure M-3 ure R-3, 47 C.F.R. Section 73.190) or an accurate full scale reproduction thereof and g pertinent field strength measurement data where available, a full scale Exhibit of the repertinent area to show the following: The 0.1 mV/m groundwave contour pertinent of Class A stations and appropriate studies to establish compliance with 47 C.F.R.	Exhibit No.	

Section 73.187 where operation is proposed on a U.S. Class A channel.

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kilometers of the proposed antenna location.

	C.	. Nighttime (for assistance, see 47 C.F.R. Section 73.182)					
		(1)	clas for cont	nighttime operation, attach as an Exhibit map(s) having appropriate scales, showing the 0 mV/m and coverage contours (appropriate minimum protected value for proposed s of station, or RSS nighttime interference-free contour, whichever is the greater value) both existing and proposed operations. On the map(s) showing the interference-free tours CLEARLY INDICATE THE LEGAL BOUNDARIES OF THE PRINCIPAL MMUNITY TO BE SERVED.	Exhibit No.		
		(2)	ence	is the nighttime 5 mV/m or nighttime interference-free contour (whichever is higher) compass 80% of the principal community to be served (50% for expanded band 5-1705 kHz stations)?	Yes No		
				o, attach as an Exhibit a justification for waiver of, or exemption pursuant to 47 C.F.R. tion 73.24(i).	Exhibit No.		
		(3)		nighttime operation, for stations on a frequency between 535 kHz and 1605 kHz, attach n Exhibit allocation data including the following:	Exhibit No.		
			(a)	Proposed nighttime limitation to other existing or proposed stations with which objectionable interference could result, as well as those other proposals and existing stations which require study to show clearly absence of objectionable interference.			
			(b)	All existing or proposed nighttime limitations which enter into the nighttime RSS limitation of each of the existing or proposed facilities investigated under (3)(a) above.			
			(c)	All existing or proposed limitations which contribute to the RSS nighttime limitation of the proposed operation, together with those limitations which must be studied before being excluded.			
			(d)	A detailed interference study plotted upon an appropriate scale map if a question exists with respect to nighttime interference to other existing or proposed facilities along bearing other than on a direct line toward the facility considered. (Clipping study)			
			(e)	The detailed basis for each nighttime limitation calculated under (3)(a), (b), (c) and			
16.				(d) above. xhibit a map (7.5 minute U.S. Geological Survey topographic quadrangles, if available) d antenna location showing the following information:	Exhibit No.		
	A.	_		transmitter location accurately plotted with the latitude and longitude lines clearly nd showing a scale in kilometers.			
	В.	B. Heights of buildings or other structures and terrain elevations in the vicinity of the antenna, indicating the location thereof.					
	C.	band	d), es	ter location and call signs of non-broadcast radio stations (except amateur and citizens tablished commercial and government receiving stations within three (3) kilometers by be adversely affected by the proposed operation.			
	D	Trai	nemit	ter location and call letters of all AM FM and TV broadcast stations within three (3)			

### Section V-A - AM BROADCAST ENGINEERING DATA (Page 6)

#### **CERTIFICATION**

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
Signature	Address (include ZIP Code)
Date	Telephone No. (include Area Code)

# SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM Does the applicant propose to employ five or more full-time employees? If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC Form 396-A). **SECTION VII - CERTIFICATIONS** Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose? Exhibit No. If No, attach as an Exhibit, a full explanation. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure. Name of person contacted: Telephone No. (include area code): Person contacted: (check one box below: Owner Owner's Agent Other (specify) By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not 4. subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.) The APPLICANT acknowledges that all the statements made in this application and attached Exhibits are considered material representations, and that all Exhibits are a material part hereof and incorporated herein. The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict. In accordance with 47 C.F.R. Section. 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. Name Signature Title Date Typed or Printed Name of Person Signing

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).